

About This Manual

The *NETGEAR® ADSL2+ Modem Wireless Router DG834Gv4 Reference Manual* describes how to install, configure, and troubleshoot the 54 Mbps ADSL2+ Modem Wireless Router Model DG834Gv4.

Who Should Use This Book

The information in this manual is intended for readers with intermediate to advanced system management skills.

This document was created primarily for the system administrator who wishes to install and configure the ADSL2+ Modem Wireless Router in a network. It assumes that the reader has a general understanding of switch platforms and a basic knowledge of Ethernet and networking concepts. To install this modem router, it is not necessary to understand and use all of its capabilities. Once basic configuration is performed, it will function in a network using its remaining factory default settings. However, a greater level of configuration—anywhere from the basic up to the maximum possible—will allow your network the full benefit of the switch's features. The Web interface simplifies this configuration at all levels.

How to Use This Book

This document describes configuration menu commands for the ADSL2+ Modem Wireless Router software. The commands can all be accessed from the Web interface.

- [Chapter 1, “Connecting Your Router to the Internet,”](#) describes how to use the Smart Wizard Discovery utility to set up your router so that you can communicate with it.
- [Chapter 2, “Wireless Configuration,”](#) describes how to configure the wireless features
- [Chapter 3, “Protecting Your Network,”](#) describes how to configure the basic firewall features.
- [Chapter 4, “Managing Your Network,”](#) describes how describes how to perform network management tasks.
- [Chapter 5, “Advanced Configuration,”](#) describes how to configure advanced features.
- [Chapter 6, “Virtual Private Networking,”](#) describes how to configure the virtual private networking (VPN) features.

- [Chapter 7, “Troubleshooting,”](#) describes how to troubleshoot your modem router.
- [Appendix A, “Technical Specifications,”](#) gives ADSL2+ Modem Wireless Router specifications, lists default feature values, and provides information about features that are supported but are not user-configurable.
- [Appendix B, “NETGEAR VPN Configuration,”](#) presents a case study on how to configure a secure IPsec VPN tunnel from a NETGEAR DG834Gv4 modem router to a NETGEAR FVL328 VPN firewall.
- [Appendix C, “Related Documents,”](#) provides links to reference documents.

Conventions, Formats, and Scope

The conventions, formats, and scope of this manual are described in the following paragraphs:

- **Typographical Conventions.** This manual uses the following typographical conventions:

<i>Italic</i>	Emphasis, books, CDs, file and server names, extensions
Bold	User input, IP addresses, GUI screen text
Fixed	Command prompt, CLI text, code
italic	URL links

- **Formats.** This manual uses the following formats to highlight special messages:

	Note: This format is used to highlight information of importance or special interest.
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	Tip: This format is used to highlight a procedure that will save time or resources.
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	Warning: Ignoring this type of note might result in a malfunction or damage to the equipment.
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Danger: This is a safety warning. Failure to take heed of this notice might result in personal injury or death.

- **Scope.** This manual is written for the ADSL2+ Modem Wireless Router according to these specifications:

Product Version	54 Mbps ADSL2+ Modem Wireless Router Model DG834Gv4
Manual Publication Date	July 2008

For more information about network, Internet, firewall, and VPN technologies, see the links to the NETGEAR website in [Appendix C, “Related Documents.”](#)



Note: Product updates are available on the NETGEAR, Inc. website at <http://www.netgear.com/support>.

How to Use This Manual

The HTML version of this manual includes the following:

- Buttons,  and , for browsing forward or backward through the manual one page at a time.
- A  button that displays the table of contents and an  button that displays an index. Double-click on a link in the table of contents or index to navigate directly to where the topic is described in the manual.
- A  button to access the full NETGEAR, Inc. online knowledge base for the product model.
- Links to PDF versions of the full manual and individual chapters.

How to Print this Manual

To print this manual, choose one of the following options:

- **Printing a page from HTML.** Each page in the HTML version of the manual is dedicated to a major topic. Select File > Print from the browser menu to print the page contents.

- **Printing from PDF.** Your computer must have the free Adobe Acrobat Reader installed in order for you to view and print PDF files. The Acrobat Reader is available on the Adobe website at <http://www.adobe.com>.
 - Printing a PDF chapter.
 - Click the **PDF of This Chapter** link at the top left of any page in the chapter you want to print. The PDF version of the chapter you were viewing opens in a browser window.
 - Click the print icon in the upper left of your browser window.
 - Printing a PDF version of the Complete Manual.
 - Click the **Complete PDF Manual** link at the top left of any page in the manual. The PDF version of the complete manual opens in a browser window.
 - Click the print icon in the upper left of your browser window. **Printing the Full Manual.**



Tip: If your printer supports printing two pages on a single sheet of paper, you can save paper and printer ink by selecting this feature.

Revision History

Part Number	Version Number	Date	Description
202-10394-01	1.0		Product created
202-10394-01	2.0	September 2007	Reference Manual revised.
202-10394-02	1.0	July 2008	Screen shots updated, procedures updated, document elements updated, and the following features added or updated: • Automatic Daylight Savings Time Adjustment. See “Setting Your Time Zone” in Chapter 3. • Remote management from up to ten IP addresses. See “Enabling Remote Management” in Chapter 4. • Automatic Firmware Recovery. See “Automatic Firmware Recovery” in Chapter 4. • Internet Group Management Protocol version 2 (IGMP2). See “Internet Group Management Protocol Version 2” in Appendix A. • Link Layer Topology Discovery (LLTD). See “Link Layer Topology Discovery” in Appendix A.

